

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 10/05/2021 09:09 AM
Cytometer Baseline: 06/17/2021 10:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123815	-1	1.20	123735	1.20
Blue	F	SSC	125000	124459	-1	2.42	124801	2.35
Blue	E	FITC	13131	12697	-4	2.21	293	15.19
Blue	D	PE	24112	23732	-2	1.64	545	10.51
Blue	B	PerCP-Cy5-5	31295	30617	-3	2.93	1010	14.49
Blue	A	PE-Cy7	19939	19549	-2	5.16	523	28.36
Red	C	APC	42122	41683	-2	2.93	1748	11.50
Red	A	APC-Cy7	22340	21791	-3	3.31	817	11.75
Violet	B	V450	7410	7208	-3	3.67	438	12.60
Violet	A	V500	28118	27311	-3	3.25	681	9.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22887	1.13	564	-5	N/A	N/A	Pass
Blue	F	SSC	58153	1.06	514	2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	483	-4	0.0461	160	Pass
Blue	D	PE	114	37.06	486	-2	0.4771	372	Pass
Blue	B	PerCP-Cy5-5	190	34.56	582	-4	0.0197	21	Pass
Blue	A	PE-Cy7	105	66.12	624	-4	0.0232	1	Pass
Red	C	APC	406	23.60	579	3	0.0267	117	Pass
Red	A	APC-Cy7	183	27.68	553	2	0.0062	1039	Pass
Violet	B	V450	62	59.82	454	1	0.0527	1686	Pass
Violet	A	V500	99	34.21	465	0	0.0273	984	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.60	-31.35	1.10
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.13	13.60 - 20.40	N/A	N/A	29.75	30.03	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 13832

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments